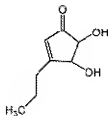


What is claimed is:

1. A melanin biosynthesis inhibitor containing terrein compound represented by the following formula 1 as an effective ingredient.

<Formula 1>



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2. The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a skin trouble treating agent.

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3. The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a skin whitening agent.

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4. The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a browning inhibitor.

5. A preparation method for terrein compound comprising the following steps:

Culturing *Penicillium* sp strain KCTC 26245 (step 1);

Obtaining the strain or its culture fluid from the  
5 above step 1 (step 2);

Obtaining ethyl acetate extract from the above strain or the culture fluid (step 3); and

Obtaining terrein compound of claim 1 by column chromatography with the ethyl acetate extract (step 4).

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6. The preparation method as set forth in claim 5, wherein the step 4 comprises the following two sub-steps:

Obtaining fractions by separating ethyl acetate extract prepared in step 3 through silica gel column chromatography  
15 using a mixed solvent of  $\text{CHCl}_3$  and methanol as a moving phase (step 4-1); and

Obtaining terrein compound of the present invention by separating the fractions through sephadex-LH20 column chromatography using methanol as a moving phase (step 4-2).